ALLAN W. H. BÉ

JULY 1954 – SEPTEMBER 1954

V - 4

ORIGINALS – COMPLETE

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PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	# DATE TIME DEPTH LOG MILES 1
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL #2

DATE	10 JULY 1954
LATITUDE	39.1
LONGITUDE	70.6
DIRECTION	140°
SPEED	7.2 K
NET SIZE & TYPE	#14
SKY CONDITION	PARTLY CLOUDY
TIME NET IN	0700
TIME REACHES MAX. DEPTH	0700
MAX. DEPTH	5'
TIME LEAVES MAX. DEPTH	0800
TOTAL TIME AT MAX. DEPTH	1 HOUR
TIME NET OUT	0800
TOTAL TIME	1 HOUR
REMARKS	
OBSERVATIONS ON HAUL	

3

PLANKTON HAUL

DATE	11 July 54
LATITUDE	
LONGITUDE	
DIRECTION	120°
SPEED	6 K
NET SIZE & TYPE	#14
SKY CONDITION	OVERCAST
TIME NET IN	720
TIME REACHES MAX. DEPTH	722
MAX. DEPTH	250 FEET MAX. BUT PLANED AT 50-60 FEET
TIME LEAVES MAX. DEPTH	752
TOTAL TIME AT MAX. DEPTH	30 MINUTES
TIME NET OUT	757
TOTAL TIME	37 MINUTES
REMARKS	
OBSERVATIONS ON HAUL	

#4

PLANKTON HAUL

DATE	15 July 45
LATITUDE	38° 45'
LONGITUDE	59° - 30'
DIRECTION	190°
SPEED	4K
NET SIZE & TYPE	#14
SKY CONDITION	3/10 Cu
TIME NET IN	1400
TIME REACHES MAX. DEPTH	
MAX. DEPTH	100 - 120'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	1/2 hour
TIME NET OUT	1430
TOTAL TIME	1/2 hour
REMARKS	sea rough
OBSERVATIONS ON HAUL	

PLANKTON HAUL #5

DATE	16 VII 54
LATITUDE	Log Miles 920-923
LONGITUDE	
DIRECTION	E. 90°
SPEED	8K
NET SIZE & TYPE	#14
SKY CONDITION	9/10 Ac
TIME NET IN	1130
TIME REACHES MAX. DEPTH	
MAX. DEPTH	50'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	1/2 hr.
TIME NET OUT	1200
TOTAL TIME	1/2 hr
REMARKS	
OBSERVATIONS ON HAUL	

#6

PLANKTON HAUL

DATE	17 July 54
LATITUDE	
LONGITUDE	
DIRECTION	190° T 6
SPEED	" "
NET SIZE & TYPE	# 14
SKY CONDITION	~~OVERCAST~~ PARTLY CLOUDY
TIME NET IN	1415
TIME REACHES MAX. DEPTH	~~UP AND DOWN BY INCH~~
MAX. DEPTH	~~5 FATHOMS, TO 200 FEET~~ 5 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1445
TOTAL TIME	30 MINUTES
REMARKS	
OBSERVATIONS ON HAUL	

#7

PLANKTON HAUL

DATE	18 - VII - 54
LATITUDE	53° 30' W 37° 20' N
LONGITUDE	
DIRECTION	90°
SPEED	8
NET SIZE & TYPE	#14
SKY CONDITION	9/10
TIME NET IN	1040
TIME REACHES MAX. DEPTH	1040
MAX. DEPTH	1040
TIME LEAVES MAX. DEPTH	1000
TOTAL TIME AT MAX. DEPTH	20 min
TIME NET OUT	1100
TOTAL TIME	20 min
REMARKS	
OBSERVATIONS ON HAUL	

#5

PLANKTON HAUL

DATE	18 JULY 54
LATITUDE	37° 22'
LONGITUDE	53° 14'
DIRECTION	HOVE TO
SPEED	"
NET SIZE & TYPE	#14
SKY CONDITION	OVERCAST
TIME NET IN	1500 - 1530
TIME REACHES MAX. DEPTH	
MAX. DEPTH	UP AND DOWN 5 TIMES
TIME LEAVES MAX. DEPTH	TO 200 FEET
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

#9

PLANKTON HAUL

DATE	15 J[illegible]
LATITUDE	37°-[illegible]
LONGITUDE	[illegible]
DIRECTION	50°
SPEED	3 [illegible]
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	[illegible]
TOTAL TIME	[illegible]
REMARKS	NAN[illegible] EFFECT AT TOP OF THERMOCLINE, IMMEDIATELY AT BASE OF ISOTHERMAL LAYER
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	[illegible]
LATITUDE	3[illegible]
LONGITUDE	[illegible]
DIRECTION	[illegible]
SPEED	[illegible]
NET SIZE & TYPE	[illegible] REDUCER
SKY CONDITION	[illegible]
TIME NET IN	0545
TIME REACHES MAX. DEPTH	[illegible]
MAX. DEPTH	[illegible]
TIME LEAVES MAX. DEPTH	[illegible]
TOTAL TIME AT MAX. DEPTH	30 min.
TIME NET OUT	[illegible]
TOTAL TIME	30 m[illegible]
REMARKS	AT TOP [illegible]
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

#12

PLANKTON HAUL

DATE	19 VII 57
LATITUDE	27°29'S
LONGITUDE	51°16'
DIRECTION	90°
SPEED	8 K
NET SIZE & TYPE	14
SKY CONDITION	4/10 Cu
TIME NET IN	10 30
TIME REACHES MAX. DEPTH	
MAX. DEPTH	Surface
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	20
TIME NET OUT	10 50
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

13

PLANKTON HAUL

DATE	19 VII 54
LATITUDE	1195
LONGITUDE	
DIRECTION	90
SPEED	9
NET SIZE & TYPE	14
SKY CONDITION	4/10
TIME NET IN	1220
TIME REACHES MAX. DEPTH	
MAX. DEPTH	200'
TIME LEAVES MAX. DEPTH	1240
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	20 MIN
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	18 Jul 57
LATITUDE	
LONGITUDE	
DIRECTION	[illegible]
SPEED	
NET SIZE & TYPE	
SKY CONDITION	[illegible]
TIME NET IN	1530
TIME REACHES MAX. DEPTH	[illegible]
MAX. DEPTH	[illegible]
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	[illegible]
TOTAL TIME	[illegible]
REMARKS	[illegible] 5
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

17

PLANKTON HAUL

DATE	20 July 1950
LATITUDE	
LONGITUDE	
DIRECTION	50°
SPEED	9 kt
NET SIZE & TYPE	14
SKY CONDITION	
TIME NET IN	2310
TIME REACHES MAX. DEPTH	
MAX. DEPTH	1081
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	2330
TOTAL TIME	[illegible]
REMARKS	No flow meter Net torn [illegible]
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	21 July 1954
LATITUDE	
LONGITUDE	
DIRECTION	180°
SPEED	8
NET SIZE & TYPE	14
SKY CONDITION	2/10 Cu
TIME NET IN	0940
TIME REACHES MAX. DEPTH	0941
MAX. DEPTH	30 FT
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	30 min
TIME NET OUT	1010
TOTAL TIME	30 min
REMARKS	
OBSERVATIONS ON HAUL	

#19

PLANKTON HAUL

DATE	22 JULY 50
LATITUDE	37° 55' N
LONGITUDE	46° 5° W.
DIRECTION	50°
SPEED	7 KNOTS
NET SIZE & TYPE	1.5 M - BOLTER
SKY CONDITION	PARTLY CLOUDY - Cu. Cc.
TIME NET IN	0615
TIME REACHES MAX. DEPTH	
MAX. DEPTH	50 - 60 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0715
TOTAL TIME	1 HOUR
REMARKS	HAUL DO AT BASE OF ISOTHERMAL CONVER. SEE SLIDE U-19.
OBSERVATIONS ON HAUL	

#20

PLANKTON HAUL

DATE	25 JULY 64
LATITUDE	[illegible]
LONGITUDE	[illegible]
DIRECTION	HEAD TO - CORE STATION #6
SPEED	[illegible]
NET SIZE & TYPE	#14
SKY CONDITION	
TIME NET IN	16 20
TIME REACHES MAX. DEPTH	
MAX. DEPTH	150-200 FATHOMS
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1820
TOTAL TIME	2 HOURS
REMARKS	NET CLOGGED AS SOON AS LOWERED. SQUAST WEIGHT 15 LBS
OBSERVATIONS ON HAUL	

#21

PLANKTON HAUL

DATE	22 July 54
LATITUDE	[illegible]
LONGITUDE	[illegible]
DIRECTION	[illegible] STATION [illegible]
SPEED	[illegible]
NET SIZE & TYPE	#14
SKY CONDITION	
TIME NET IN	1830
TIME REACHES MAX. DEPTH	
MAX. DEPTH	70-90 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	2000
TOTAL TIME	1 1/2 HOUR
REMARKS	[illegible]
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	23 July 54
LATITUDE	27° 25' N
LONGITUDE	96° 55' W
DIRECTION	[illegible]
SPEED	
NET SIZE & TYPE	#19
SKY CONDITION	[illegible]
TIME NET IN	[illegible]
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	10 00
TOTAL TIME	2 [illegible]
REMARKS	CORE SITE E-7
OBSERVATIONS ON HAUL	

#23

PLANKTON HAUL

DATE	23 July 54
LATITUDE	38° 15 N
LONGITUDE	42° 53 W
DIRECTION	DRIFTING - [illegible]
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	[illegible]
TIME NET IN	12 00
TIME REACHES MAX. DEPTH	
MAX. DEPTH	120-140 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	12 30
TOTAL TIME	[illegible]
REMARKS	[illegible]
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	24 July 54
LATITUDE	1885 miles
LONGITUDE	
DIRECTION	980
SPEED	8K
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR - FEW Cu + Ac
TIME NET IN	1100
TIME REACHES MAX. DEPTH	1101
MAX. DEPTH	25 FT.
TIME LEAVES MAX. DEPTH	1124
TOTAL TIME AT MAX. DEPTH	23 min
TIME NET OUT	1125
TOTAL TIME	25 min
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	24 July 54
LATITUDE	37° 55'
LONGITUDE	38° 30'
DIRECTION	[illegible]
SPEED	[illegible]
NET SIZE & TYPE	[illegible]
SKY CONDITION	[illegible]
TIME NET IN	[illegible]
TIME REACHES MAX. DEPTH	
MAX. DEPTH	70' (BT SLUG)
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	[illegible]
TOTAL TIME	[illegible]
REMARKS	SEE BT SLUG V4-27
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	25 July
LATITUDE	[illegible]
LONGITUDE	[illegible]
DIRECTION	098°
SPEED	7 knots
NET SIZE & TYPE	
SKY CONDITION	[illegible]
TIME NET IN	[illegible]
TIME REACHES MAX. DEPTH	
MAX. DEPTH	30' [illegible]
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	[illegible]
TOTAL TIME	[illegible]
REMARKS	[illegible]
OBSERVATIONS ON HAUL	

#29

PLANKTON HAUL

DATE	25 JULY 54
LATITUDE	37.7 N
LONGITUDE	25.7 W
DIRECTION	105°
SPEED	7K
NET SIZE & TYPE	#14 PLUS REDUCER
SKY CONDITION	PARTLY CLOUDY Cu, Ac
TIME NET IN	1230
TIME REACHES MAX. DEPTH	
MAX. DEPTH	60 to 70' (SEE BT SLIDE V4-29
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1330
TOTAL TIME	1 HOUR
REMARKS	LOG MILES IN - 2052.4 LOG MILES OUT - 2059.1 BT SLIDE - V4-29
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

#32

PLANKTON HAUL

DATE	29 July 54
LATITUDE	37.3 N
LONGITUDE	32 3 W
DIRECTION	90°
SPEED	7 K
NET SIZE & TYPE	#14 PLUS REDUCER
SKY CONDITION	OVCAST - Ac.
TIME NET IN	0430
TIME REACHES MAX. DEPTH	
MAX. DEPTH	SURFACE TO 20 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	0500
REMARKS	LOG MILES IN - 2251 LOG MILLES OUT - 2256 BETTER SURFACE
OBSERVATIONS ON HAUL	RICH HAUL ALTHO PORAMS APPEAR TO BE SPARCE

#33

PLANKTON HAUL

DATE	27 JULY 59
LATITUDE	37.3N
LONGITUDE	33.4W
DIRECTION	90°
SPEED	7.5 KT
NET SIZE & TYPE	#14 PLUS [illegible]
SKY CONDITION	OVCAST - Ac
TIME NET IN	0615
TIME REACHES MAX. DEPTH	
MAX. DEPTH	35' - (SEE BT V4 33)
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0700
TOTAL TIME	3/4 HOUR
REMARKS	LOG MILES IN - 2266 LOG MILES OUT 2271
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	[illegible]
LATITUDE	37.9° N
LONGITUDE	29.9° W
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	Sc
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	[illegible]
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	[illegible]
REMARKS	[illegible]
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	200
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	[illegible]
LATITUDE	
LONGITUDE	
DIRECTION	[illegible]
SPEED	[illegible]
NET SIZE & TYPE	[illegible]
SKY CONDITION	[illegible]
TIME NET IN	[illegible]
TIME REACHES MAX. DEPTH	
MAX. DEPTH	[illegible]
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	[illegible]
TOTAL TIME	[illegible]
REMARKS	[illegible] 69.9
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	[illegible]
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	8 K.
NET SIZE & TYPE	[illegible]
SKY CONDITION	[illegible]
TIME NET IN	[illegible]
TIME REACHES MAX. DEPTH	
MAX. DEPTH	50-100 FEET — SEE BY SLIDE [illegible]
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	740
TOTAL TIME	1 HOUR
REMARKS	[illegible] MILES IN 75.0 OUT - 83.0
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	3 Aug 54
LATITUDE	35.5 N°
LONGITUDE	15.2 W
DIRECTION	90°
SPEED	5.5 knots
NET SIZE & TYPE	[illegible]
SKY CONDITION	Partly cloudy 6/10 Ac. Cu.
TIME NET IN	0715
TIME REACHES MAX. DEPTH	
MAX. DEPTH	5 FE TO 20 FEET [illegible]
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0736
TOTAL TIME	1/4 [illegible]
REMARKS	[illegible] 0728. [illegible] 0739.
OBSERVATIONS ON HAUL	[illegible]

PLANKTON HAUL

DATE	[illegible]
LATITUDE	[illegible]
LONGITUDE	[illegible]
DIRECTION	90°
SPEED	[illegible]
NET SIZE & TYPE	#19 [illegible]
SKY CONDITION	[illegible]
TIME NET IN	[illegible]
TIME REACHES MAX. DEPTH	
MAX. DEPTH	[illegible]
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	[illegible]
TOTAL TIME	
REMARKS	LOG MILES - IN - [illegible] " " - OUT - [illegible]
OBSERVATIONS ON HAUL	MINTY/ [illegible] (CONTINUED [illegible]) FIRMS NOT [illegible]

PLANKTON HAUL

DATE	2 [illegible] 64
LATITUDE	35.5 N
LONGITUDE	13.4 W
DIRECTION	[illegible]
SPEED	[illegible]
NET SIZE & TYPE	[illegible]
SKY CONDITION	CLEAR — FEW CU.
TIME NET IN	3 45
TIME REACHES MAX. DEPTH	
MAX. DEPTH	120 - 150 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	5 45
TOTAL TIME	2 HOURS
REMARKS	NET [illegible] WHILE VESSEL [illegible] TO [illegible] DUE [illegible] = 14
OBSERVATIONS ON HAUL	NEAR [illegible] MOSTLY CRUSTACEAN REDD - [illegible] (FORMAT [illegible]) MAPPELLA [illegible]

#44

PLANKTON HAUL

DATE	4 AUG 54
LATITUDE	
LONGITUDE	
DIRECTION	90°
SPEED	5.5 KC
NET SIZE & TYPE	24 PLUS REDUCER
SKY CONDITION	CLEAR - FEW Cu.
TIME NET IN	0515
TIME REACHES MAX. DEPTH	
MAX. DEPTH	30-60 FEET - 27 SIGMA Vq-44
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0630
TOTAL TIME	1 1/2 HOURS
REMARKS	LOG MILES IN - 381. OUT - 392.
OBSERVATIONS ON HAUL	RICH HAUL MOSTLY CRUSTACEANS

#45

PLANKTON HAUL

DATE	5 AUG 54
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	8 5 K
NET SIZE & TYPE	#14 PLUS REDUCER
SKY CONDITION	PARTLY CLOUDY - 4/10 SC
TIME NET IN	0515
TIME REACHES MAX. DEPTH	
MAX. DEPTH	50-60 FEET - BT SLIDE V4-45
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0645
TOTAL TIME	1 1/2 HOURS
REMARKS	LOG READING IN 472 " " OUT 485
OBSERVATIONS ON HAUL	CRUSTACEA (PRODED, AMPHIPOD, ETC) MOLLUSCA PROTOZOA (FORAMINIFERA) - NO FORAMS

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

E 46

PLANKTON HAUL

DATE	5 AUG 54
LATITUDE	
LONGITUDE	
DIRECTION	90°
SPEED	5.5 K
NET SIZE & TYPE	#14 PLUS REDUCER
SKY CONDITION	PARTLY CLOUDY 3/10 SC
TIME NET IN	1000
TIME REACHES MAX. DEPTH	
MAX. DEPTH	SFC - 15 FAT - BT 0.4-46
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1100
TOTAL TIME	1 HOUR
REMARKS	LOG MILES IN 519 " " OUT 526
OBSERVATIONS ON HAUL	POOR HAUL.

#47

PLANKTON HAUL

DATE	6 AUG 54
LATITUDE	
LONGITUDE	
DIRECTION	90°
SPEED	2.5 K
NET SIZE & TYPE	#14 PLUS REDUCER
SKY CONDITION	PARTLY CLOUDY 3/10 SC
TIME NET IN	0415
TIME REACHES MAX. DEPTH	
MAX. DEPTH	SFC TO 15 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0515
TOTAL TIME	1 HOUR
REMARKS	LOG MILES IN 612 " " OUT 621
OBSERVATIONS ON HAUL	CRUSTACEA PROTOZOA - DINOFLAGELLATES SMALL FORAMS

#45

PLANKTON HAUL

DATE	6 AUG 54
LATITUDE	
LONGITUDE	
DIRECTION	117°
SPEED	5.5K
NET SIZE & TYPE	K-14 PLUS REDUCER
SKY CONDITION	CLEAR
TIME NET IN	0845
TIME REACHES MAX. DEPTH	
MAX. DEPTH	60-80 FEET - BY SLIDE U4-48
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1045
TOTAL TIME	2 HOURS
REMARKS	LOG MILES IN 650 " " OUT 667
OBSERVATIONS ON HAUL	CRUSTACEA - LARVAL + ADULT FORMS PROTOZOA - DINO FLAGELLATES SMALL FORAMS FEW RADIOLARIANS

#42

PLANKTON HAUL

DATE	7 Nov 50
LATITUDE	
LONGITUDE	
DIRECTION	Have TR CURE SCHOOL #23
SPEED	7
NET SIZE & TYPE	
SKY CONDITION	cloudy 3/10 Cu
TIME NET IN	0900
TIME REACHES MAX. DEPTH	
MAX. DEPTH	100 - 150'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1015
TOTAL TIME	1 1/4 hour
REMARKS	NET DRAGGED WHILE SHIP [illegible]
OBSERVATIONS ON HAUL	PLANKTONT [illegible] - FEW RADIOLARIANS [illegible] SMALL FORAMS

PLANKTON HAUL

DATE	8 [illegible] 54
LATITUDE	
LONGITUDE	
DIRECTION	[illegible]
SPEED	9 K
NET SIZE & TYPE	[illegible]
SKY CONDITION	[illegible]
TIME NET IN	[illegible]
TIME REACHES MAX. DEPTH	
MAX. DEPTH	[illegible]
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	[illegible]
TOTAL TIME	[illegible]
REMARKS	
OBSERVATIONS ON HAUL	[illegible]

#51

PLANKTON HAUL

DATE	9 Aug 54
LATITUDE	
LONGITUDE	
DIRECTION	[illegible]
SPEED	3.5 [illegible]
NET SIZE & TYPE	[illegible]
SKY CONDITION	[illegible] 7/10 [illegible]
TIME NET IN	0915
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20 - 40 FEET (BY SLIDE [illegible])
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0945
TOTAL TIME	1½ HOURS
REMARKS	[illegible]
OBSERVATIONS ON HAUL	[illegible]

#52

PLANKTON HAUL

DATE	16 AUG 54
LATITUDE	
LONGITUDE	OFF CADIZ (5-6 MILES)
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR
TIME NET IN	11 30
TIME REACHES MAX. DEPTH	
MAX. DEPTH	60 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	12 30
TOTAL TIME	1 HOUR
REMARKS	204 METERS 1924
OBSERVATIONS ON HAUL	MANY RADIOLARIAN AND FORAMS CRUSTACEA MISTY SEANOMIDS

#53

PLANKTON HAUL

DATE	16 Aug 54
LATITUDE	OFF CADIZ - (15-17 MILES)
LONGITUDE	
DIRECTION	HAUL TO
SPEED	
NET SIZE & TYPE	# 14
SKY CONDITION	CLEAR
TIME NET IN	1400
TIME REACHES MAX. DEPTH	
MAX. DEPTH	50 FEET
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1600
TOTAL TIME	2 HOURS
REMARKS	206 - 1434
OBSERVATIONS ON HAUL	POOR HAUL MOSTLY BRANCHIOPODS

54

PLANKTON HAUL

DATE	18 AUG 54
LATITUDE	
LONGITUDE	15 - MILES OFF (WEST) CADIZ
DIRECTION	MOVE TO
SPEED	
NET SIZE & TYPE	4 CA
SKY CONDITION	CLEAR
TIME NET IN	0900
TIME REACHES MAX. DEPTH	
MAX. DEPTH	50-60'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1000
TOTAL TIME	1 HOUR
REMARKS	
OBSERVATIONS ON HAUL	POOR

#55

22 Aug

off Station point

30 40

40

5 30

Anchorage

PLANKTON HAUL

DATE	22 AUG 54
LATITUDE	7 7/8 MILES OFF CAPE WESTCHEL (HINCHAW)
LONGITUDE	
DIRECTION	HAUL TO
SPEED	
NET SIZE & TYPE	# 14
SKY CONDITION	CLEAR
TIME NET IN	1400 100
TIME REACHES MAX. DEPTH	
MAX. DEPTH	30-40
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1430
TOTAL TIME	1 1/2 HOUR
REMARKS	
OBSERVATIONS ON HAUL	POOR - MANY [illegible]

PLANKTON HAUL

DATE	27 Nov 54
LATITUDE	38.1 N
LONGITUDE	09.6 W
DIRECTION	Hove to (Tow Net)
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	Cloudy 7/10 sc.
TIME NET IN	1100 A
TIME REACHES MAX. DEPTH	
MAX. DEPTH	30-40'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1200
TOTAL TIME	1 hour
REMARKS	
OBSERVATIONS ON HAUL	Fog

#57

PLANKTON HAUL

DATE	28 AUG 54
LATITUDE	38.5°N
LONGITUDE	10.1°W
DIRECTION	HOVE TO - CORE STATION #43
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLOUDY - 8/10
TIME NET IN	0700
TIME REACHES MAX. DEPTH	
MAX. DEPTH	30-40'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0900
TOTAL TIME	2 HOURS
REMARKS	
OBSERVATIONS ON HAUL	[illegible]

#55

PLANKTON HAUL

DATE	28 AUG 54
LATITUDE	CORE STATION #43
LONGITUDE	
DIRECTION	DUE TO
SPEED	
NET SIZE & TYPE	# 14
SKY CONDITION	PARTLY CLOUDY
TIME NET IN	1300
TIME REACHES MAX. DEPTH	
MAX. DEPTH	130-150'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1500
TOTAL TIME	2 HOURS
REMARKS	
OBSERVATIONS ON HAUL	MANY FORAMS & RADIOLARIANS

#59

PLANKTON HAUL

DATE	29 AUG 54
LATITUDE	38.5 N
LONGITUDE	10.4 W
DIRECTION	340°
SPEED	5 KNOTS
NET SIZE & TYPE	#14 - PLUS REDUCER
SKY CONDITION	OVCAST 10/10 SC
TIME NET IN	0530
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20'-30'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0615
TOTAL TIME	3/4 HOUR
REMARKS	
OBSERVATIONS ON HAUL	

#60

PLANKTON HAUL

DATE	29 AUG 54
LATITUDE	37.8° N
LONGITUDE	10.9° W
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#12
SKY CONDITION	OVERCAST 9/10 SC
TIME NET IN	1500
TIME REACHES MAX. DEPTH	
MAX. DEPTH	280-320'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1530
TOTAL TIME	1/2 HOUR
REMARKS	
OBSERVATIONS ON HAUL	PROTOZOA RADIOLARIANS - NUMEROUS - MAY/LARGE FORAMS - FEW CRUSTACEA MANY COPEPODS AMPHIPODS - MANY GOOD HAUL.

#61

PLANKTON HAUL

DATE	30 AUG 54
LATITUDE	34 19 N
LONGITUDE	121 51 W	CORE STATION 560
DIRECTION	360° T
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	PARTLY CLOUDY
TIME NET IN	0500
TIME REACHES MAX. DEPTH	
MAX. DEPTH	280 - 300'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0630
TOTAL TIME	1 1/2 HOURS
REMARKS	
OBSERVATIONS ON HAUL	CRUSTACEA - NUMEROUS - ALSO LARVAE PROTOZOA - RADIOLARIAN - NUMEROUS FORAMS - FEW ECHINODERMS - FEW LARVAE APPENDICULARIA 4 5 TERMINAMENT BUTTERFLY [illegible] FORMS. ACTUALLY SWIM BY FLAPPING WINGS

PLANKTON HAUL

DATE	30 Aug 56
LATITUDE	33° 1 N
LONGITUDE	10 5 W } CORE STATION - 44
DIRECTION	/ HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	PARTLY CLOUDY
TIME NET IN	0730
TIME REACHES MAX. DEPTH	
MAX. DEPTH	130' 150'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0930
TOTAL TIME	2 HOUR
REMARKS	MIDDLE OF THERMOCLINE
OBSERVATIONS ON HAUL	POOR HAUL

PLANKTON HAUL

DATE	
LATITUDE	35.1N
LONGITUDE	11.9W
DIRECTION	
SPEED	
NET SIZE & TYPE	# 14
SKY CONDITION	PARTLY CLOUDY 3/10 Cu
TIME NET IN	1700
TIME REACHES MAX. DEPTH	
MAX. DEPTH	330- 350- (BELOW THERMOCLINE)
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1800
TOTAL TIME	1 HOUR
REMARKS	
OBSERVATIONS ON HAUL	RADIOLARIANS- NUMEROUS FORAMS- FEW CRUSTACEA- NUMEROUS ALSO- ANNELIDS, ECHINODERM LARVAE, APPENDICULARIA EXCELLENT HAUL

#64

PLANKTON HAUL

DATE	3 AUG 50
LATITUDE	[illegible]
LONGITUDE	[illegible]
DIRECTION	HOVETOF CORE STATION # 47
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	PARTLY CLOUDY - 3/10 Cu
TIME NET IN	0345
TIME REACHES MAX. DEPTH	
MAX. DEPTH	25 - 30
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0425
TOTAL TIME	40'
REMARKS	COMPARE WITH # 65 & # 66 TAKEN AT SAME LOCATION BUT AT DIFFERENT DEPTHS. #64 = ABOVE THERMOCLINE
OBSERVATIONS ON HAUL	MOSTLY CRUSTACEA FEW RADIOLARIANS FEW FISH LARVA APPENDICULARIA SAGITTA #64 - BEFORE DAY-BREAK #65 & 66 - AFTER DAY BREAK

#65

PLANKTON HAUL

DATE	31 AUG 64
LATITUDE	[illegible] COAST STATION #47
LONGITUDE	[illegible]
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	PARTLY CLOUDY - 3/10 Cu
TIME NET IN	0550
TIME REACHES MAX. DEPTH	
MAX. DEPTH	130-140'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0630
TOTAL TIME	40'
REMARKS	IN MIDDLE OF THERMOCLINE
OBSERVATIONS ON HAUL	MOSTLY COPEPODS POORER HAUL THAN #64

#66

PLANKTON HAUL

DATE	31 AUG 54
LATITUDE	37° N | CORE STATION #47
LONGITUDE	11.2 W
DIRECTION	| HOVE TO
SPEED	
NET SIZE & TYPE	1 M
SKY CONDITION	PARTLY CLOUDY - 3/10 Cu
TIME NET IN	
TIME REACHES MAX. DEPTH	0640
MAX. DEPTH	340'-360'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0720
TOTAL TIME	40'
REMARKS	BELOW THERMOCLINE
OBSERVATIONS ON HAUL	MOSTLY ERUSTACEA - LESS LARVAL FORMS FEW RADIOLARIA VERY FORAMS APPENDICULARIA

#67

PLANKTON HAUL

DATE	31 AUG 54
LATITUDE	37.1° N — CORE STATION #45
LONGITUDE	12.6° W
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR
TIME NET IN	1800
TIME REACHES MAX. DEPTH	
MAX. DEPTH	550-600'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1930
TOTAL TIME	1½ HOURS
REMARKS	
OBSERVATIONS ON HAUL	EXCELLENT HAUL MANY PROTOZOA + CRUSTACEA LUMINESCENT COELENTERATES SAGITTA APPENDICULARIA

#65

PLANKTON HAUL

DATE	1 SEPT 54
LATITUDE	36.8 CORE STATION #49
LONGITUDE	13.9
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLOUD 5/10 Cu, Sc
TIME NET IN	0900
TIME REACHES MAX. DEPTH	
MAX. DEPTH	340-360' — BASE OF THERMOCLINE
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1015
TOTAL TIME	1 1/4 HOUR
REMARKS	
OBSERVATIONS ON HAUL	GOOD HAUL — MOSTLY CRUSTACEA RADIOLARIANS MANY SOME FORAMS & CERATIUM ALSO — ECHINODERM LARVAE, SAGITTA, APPENDICULARIA

PLANKTON HAUL

DATE	3 Sept 59
LATITUDE	35.5° N
LONGITUDE	19.5° W
DIRECTION	255°
SPEED	4 K
NET SIZE & TYPE	[illegible]
SKY CONDITION	partly cloudy 3/10 Cu
TIME NET IN	0600
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20' - 30'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0630
TOTAL TIME	[illegible]
REMARKS	
OBSERVATIONS ON HAUL	[illegible]

PLANKTON HAUL

DATE	
LATITUDE	
LONGITUDE	
DIRECTION	
SPEED	
NET SIZE & TYPE	
SKY CONDITION	
TIME NET IN	
TIME REACHES MAX. DEPTH	
MAX. DEPTH	
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

#71

PLANKTON HAUL

DATE	4 SEPT 54
LATITUDE	
LONGITUDE	
DIRECTION	260
SPEED	10C
NET SIZE & TYPE	1014 PLUS REDUCER
SKY CONDITION	PARTLY CLOUDY
TIME NET IN	0530
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20-40'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0630
TOTAL TIME	1 HOUR
REMARKS	NET TORN BUT SOME SPECIMENS CAUGHT.
OBSERVATIONS ON HAUL	206 MILES IN 1035 " " OUT 1045

#72

PLANKTON HAUL

DATE	5 SEPT 54
LATITUDE	23.0° N
LONGITUDE	33.3° W
DIRECTION	270°
SPEED	9 K
NET SIZE & TYPE	15 IN [illegible]
SKY CONDITION	PARTLY CLOUDY
TIME NET IN	1600
TIME REACHES MAX. DEPTH	
MAX. DEPTH	50-70'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1630
TOTAL TIME	1/2 HOUR
REMARKS	
OBSERVATIONS ON HAUL	POOR

#73

PLANKTON HAUL

DATE	Sept.
LATITUDE	25.7
LONGITUDE	33.1
DIRECTION	
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR
TIME NET IN	1900
TIME REACHES MAX. DEPTH	
MAX. DEPTH	90-100
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1930
TOTAL TIME	½ HOUR
REMARKS	
OBSERVATIONS ON HAUL	SCRATCHY SMOOTH

PLANKTON HAUL

DATE	5 ~~Oct.~~ Sept. 54
LATITUDE	25.9 [illegible]
LONGITUDE	33.1
DIRECTION	HOW = [illegible]
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR
TIME NET IN	15 30
TIME REACHES MAX. DEPTH	
MAX. DEPTH	[illegible]
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	16 30
TOTAL TIME	1 HOUR
REMARKS	ABREW. [illegible] OF THERMOCLINE GOOD HAUL
OBSERVATIONS ON HAUL	PHOTOSYN. RADIOLARIANS - [illegible] FORAMS - [illegible] CONSTRICTION - NUMEROUS (LARGE) [illegible] PTEROPODS, FEW ARTHROPODS ETC.

(#S 73-74 ARE THE FIRST SAMPLES OF THIS [illegible] TO SHOW ANY NUMBER OF LARGE FORAMS)

#75

PLANKTON HAUL

DATE	5 ~~Aug~~ Sept. 54
LATITUDE	CORE STATION #52
LONGITUDE	
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR
TIME NET IN	21 15
TIME REACHES MAX. DEPTH	
MAX. DEPTH	350'-420'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	21 45
TOTAL TIME	1/2 HOUR
REMARKS	HAUL - 100 FEET BELOW THERMOCLINE BASE.
OBSERVATIONS ON HAUL	SCALLOP HAUL PROTOZOANS - NUMEROUS - (FEW FORAMS) CRUSTACEAN - NUMEROUS CTENOPHORES, PHYLLODOCEARIA, SAGITTA. ECHINODERM LARVAE

PLANKTON HAUL

DATE	6 of SEPT 54
LATITUDE	33.3° N [illegible]
LONGITUDE	29.4 W
DIRECTION	[illegible]
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR
TIME NET IN	2515
TIME REACHES MAX. DEPTH	
MAX. DEPTH	18-20'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0545
TOTAL TIME	1 HOUR
REMARKS	
OBSERVATIONS ON HAUL	[illegible]

#77

PLANKTON HAUL

DATE	6 SEPT 54
LATITUDE	33.3°N CURE STATION #53
LONGITUDE	29.6°W
DIRECTION	200° T
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR
TIME NET IN	0530
TIME REACHES MAX. DEPTH	
MAX. DEPTH	290'-310'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0630
TOTAL TIME	
REMARKS	
OBSERVATIONS ON HAUL	

PLANKTON HAUL

DATE	6 SEPT 64
LATITUDE	33.3° N
LONGITUDE	29.6° W
DIRECTION	NOVE TO —
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLEAR
TIME NET IN	1115
TIME REACHES MAX. DEPTH	
MAX. DEPTH	300-320
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1215
TOTAL TIME	1 HOUR
REMARKS	
OBSERVATIONS ON HAUL	PROTOZOA - NUMEROUS - RADIOLARIAN, FORAMS, DIATOMS CRUSTACEA - SAGITTA SMALL HAUL.

#79

PLANKTON HAUL

DATE	7 SEPT 50
LATITUDE	
LONGITUDE	
DIRECTION	265
SPEED	8 K
NET SIZE & TYPE	#14 PLUS DEFLECTOR
SKY CONDITION	PARTLY CLOUDY
TIME NET IN	0530
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20-30'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0630
TOTAL TIME	1 HOUR
REMARKS	265 AT 265 E 1600 " " 1605 1605
OBSERVATIONS ON HAUL	NONE

250

PLANKTON HAUL

DATE	5 SEPT 59
LATITUDE	
LONGITUDE	
DIRECTION	225°
SPEED	5 K
NET SIZE & TYPE	24 [illegible] BEDUCER
SKY CONDITION	PARTLY CLDY 2,000'
TIME NET IN	1515
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20-30'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0015
TOTAL TIME	1 HOUR
REMARKS	206 MILES ON 1199 OFF 1807
OBSERVATIONS ON HAUL	PLANK

#51

PLANKTON HAUL

DATE	3 Sept 54
LATITUDE	32.2° N
LONGITUDE	37.3° W
DIRECTION	Have To
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	Partly cloudy 4/10 Cu
TIME NET IN	1500
TIME REACHES MAX. DEPTH	
MAX. DEPTH	300-320 - Below base of thermocline
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1600
TOTAL TIME	1 hour
REMARKS	
OBSERVATIONS ON HAUL	Good haul

PLANKTON HAUL

DATE	3 SEPT 54
LATITUDE	32.2° N
LONGITUDE	37 3° W
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	PARTLY CLOUDY - 4/10 Cu
TIME NET IN	1600
TIME REACHES MAX. DEPTH	
MAX. DEPTH	450-500'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1800
TOTAL TIME	2 HOURS
REMARKS	
OBSERVATIONS ON HAUL	PROTOZOA - RADIOLARIANS FORAMS & DIATOMS MEDUSAE LONG NECK LARVAE CRUSTACEA - NUMEROUS APPENDICULARIA GOOD HAUL.

#53

PLANKTON HAUL

DATE	9 SEPT 54
LATITUDE	
LONGITUDE	
DIRECTION	265°
SPEED	3 K
NET SIZE & TYPE	#14 NORS REDUCER
SKY CONDITION	PARTLY CLOUDY
TIME NET IN	0520
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20-30'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0530
TOTAL TIME	1 HOUR
REMARKS	100 MILES IN 1959 " OUT 1959
OBSERVATIONS ON HAUL	POOR

#54

PLANKTON HAUL

DATE	9 Sept 64
LATITUDE	32.0° N
LONGITUDE	40.5° W
DIRECTION	[illegible]
SPEED	
NET SIZE & TYPE	#19
SKY CONDITION	PARTLY CLOUDY 7/8 Cu
TIME NET IN	1715
TIME REACHES MAX. DEPTH	
MAX. DEPTH	300-320
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1830
TOTAL TIME	1/4 HOUR
REMARKS	AT BASE OF THERMOCLINE
OBSERVATIONS ON HAUL	[illegible] REDUCTIONS [illegible] MEDUSAE CRUSTACEA GOOD HAUL

#85

PLANKTON HAUL

DATE	9 SEPT 54
LATITUDE	32.0° N
LONGITUDE	40.8° W
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	CLOUDY 5/10 Cu
TIME NET IN	1900
TIME REACHES MAX. DEPTH	
MAX. DEPTH	100'-110'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	2000
TOTAL TIME	1 HOUR
REMARKS	TOP OF THERMOCLINE - BASE OF ISOTHERMAL LAYER SAME LOCATION AS SAMPLE #84
OBSERVATIONS ON HAUL	FORAMS RADIOLARIANS CRUSTACEA APPENDICULARIA

#86

PLANKTON HAUL

DATE	10 SEPT 54
LATITUDE	31.7°N
LONGITUDE	42.2°W
DIRECTION	265
SPEED	8 KNOTS
NET SIZE & TYPE	# 14 PLUS REDUCER
SKY CONDITION	CLOUDY 9/10 Cu, Ac.
TIME NET IN	0515
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20'-30'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0615
TOTAL TIME	1 HOUR
REMARKS	LOG MILES IN - 2127 " " OUT - 2135
OBSERVATIONS ON HAUL	POOR

#57

PLANKTON HAUL

DATE	11 SEPT 54
LATITUDE	31.5°N
LONGITUDE	46.1°W
DIRECTION	270°
SPEED	8 KNOTS
NET SIZE & TYPE	#14 PLUS REDUCER
SKY CONDITION	CLOUDY 6/10 Cu
TIME NET IN	0430
TIME REACHES MAX. DEPTH	
MAX. DEPTH	20'-30'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	0530
TOTAL TIME	1 HOUR
REMARKS	LOG MILES IN - 2330 " " OUT - 2338
OBSERVATIONS ON HAUL	POOR

#55

PLANKTON HAUL

DATE	11 SEPT 54
LATITUDE	31.5°N
LONGITUDE	47.0° W
DIRECTION	HOVE TO
SPEED	
NET SIZE & TYPE	#14
SKY CONDITION	PARTLY CLOUDY 3/10 Cu
TIME NET IN	1100
TIME REACHES MAX. DEPTH	
MAX. DEPTH	130-150'
TIME LEAVES MAX. DEPTH	
TOTAL TIME AT MAX. DEPTH	
TIME NET OUT	1130
TOTAL TIME	1/2 HOUR
REMARKS	LOG MILES - 2384
OBSERVATIONS ON HAUL	PROTOZOA - FORAMS, RADIOLARIANS MEDUSAE GASTROPODS SAGITTA CRUSTACEA GOOD HAUL.